

ABSTRACT

5 A fluorinated polymer having a polydispersity index
 (Mw/Mn) of 1-1.20 can be prepared by subjecting an aromatic
 monomer having trifluoromethyl groups and acid labile groups
 to living anion polymerization. The fluorinated polymer is
 suitable for use in chemically amplified resist compositions
 having sensitivity to ultraviolet radiation.